CURRICULUM B.Sc. APPLIED ARTIFICIAL INTELLIGENCE

myStudies, 180 ECTS

	Model 1:	: Programme Sta	art October	Model 2: Programme Start April				
Month		Courses			Courses			
Oct							INTERNATIONAL	
Nov	Artificial Intelligence	Introduction to Acader	nic Mathematics:				UNIVERSITY OF	
Dec		Work	Anatysis				APPLIED SCIENCES	
Jan	Introduction to		Statistics -					
Feb	Programming with	Collaborative Work	Descriptive					
Mar	Fytholi		Statistics				1	
Apr	Object Oriented and Functional Programming	Mathematics: Linear	Statistics -	Artificial Intelligence	Introduction to Academic Work	Mathematics:	Here you see the order in which you s	
May	with Python	Aigebra	Somot	'	WORK	Anatysis	your personal study start in October of	
		Machinal corning	Machine Learning -	Introduction to		Statistics - Probability	April. Each semester consists of two	
Aug	Cloud Programming	Supervised Learning	Unsupervised Learning & Feature Engineering	Programming with Python	Collaborative Work	and Descriptive Statistics	on campus for usually three courses t	
Sep			Semest	ter Break			 deepen the content in direct exchang with your fellow students and lecture 	
Oct			Data Science	Object Oriented and			You have semester breaks in June and	
Nov	Cloud Computing	Neural Nets and Deep Learning	Software	Functional Programming with	Mathematics: Linear Algebra	Statistics - Inferential Statistics	campus is mandatory and will be veri	
Dec			Engineering	Python			due to Visa regulations (not valid for	
Jan	Introduction to		Introduction to		Machine Learning -	Machine Learning - Unsupervised	DACH students).	
Feb	Computer Vision	Project: Computer Visio	on Reinforcement Learning	Cloud Programming	Supervised Learning	Learning & Feature	Each block concludes with a two-wee	
Apr							those exams to a later date that you of	
May	Introduction to NLP	Project: NLP	Agile Project Management	Introduction to NLP	Project: NLP	Aglie Project Management	not want to take during this period. T way, your exam phases are always sp	
Jun			Semest	ter Break			evenly over the year. Exceptions to th	
Jul	Introduction to		1	Introduction to		1	requirements for other courses.	
Aug	Data Protection & Cyber Security	User Experience	UX-Project [*]	Data Protection & Cyber Security	User Experience	UX-Project [•]		
Sep			Semest	ter Break				
Oct	Introduction to Int	ercultural and Elect	ive Elective		Neural Nets and Deen	Data Science		
Nov	Robotics	nical Decision- Making (onlin	ne) (online)	Cloud Computing	Learning	Software Engineering		
Dec						Lighteening		
Jan Feb	Seminar: Ethical	Elective	Elective	Introduction to	Project: Computer Vision	Introduction to Reinforcement	slightly depending on public holidays	
Mar	Data Science	(online)	(online)	Computer Vision	Troject. computer vision	Learning	the federal state holidays the campus located in	
Apr	Project: From Model	Elective	Elective	Project: From Model	Elective	Elective		
May	to Production	(online)	(online)	to Production	(online)	(online)		
Jun			Semest	ter Break	•	-	\checkmark	
Jul	-	Bachelor Thesis			Bachelor Thesis		If you are study in a Mardal Drugowill h	
Aug							to start your Bachelor Thesis before	
Sep			Semest	ter Break			completing your final courses.	
Nov	-			Introduction to Etl	ercultural and Elective	Elective		
Dec	-			Robotics	Making	(online)		
Jan				Seminar: Ethical	-1			
Feb	_			Considerations in	(online)	(online)		
Mar								
Elective A*			Elective C*					
Autonomous Driving			Autonomous Drivir	ng		Applied Sales		
Self-Driving Vehicle Seminar: Current To	s opics and Trends in Self-	-Driving Technology	Self-Driving Ve Seminar: Curre	Self-Driving Vehicles Seminar: Current Topics and Trends in Self-Driving Technology			I 	
Production Engineering,	, Automation and Roboti	ics	Production Engine	Production Engineering, Automation and Robotics			agement	
Production Enginee Automation and Ro	botics		Production En Automation a	Production Engineering Automation and Robotics			Supply Chain Management I Supply Chain Management II	
Data Engineer			Data Engineer	Data Engineer			hitecture management	
Data Engineering Project: Data Engineering			Data Engineer Project: Data B	Data Engineering Project: Data Engineering			IT Project Management IT Architecture Management	
Digital Signal Processing and Sensor Technology			Digital Signal Proc	Digital Signal Processing and Sensor Technology			Psychology of Human Computer Interaction	
Digital Signal Proce Sensor Technology	essing		Digital Signal Sensor Techno	Digital Signal Processing Sensor Technology			Experience Psychology Human Computer Interaction	
Database Developer			Database Develop	Database Developer			Foreign Language Italian	
Database Modeling Project: Build a Dat	and Database Systems a Mart in SOL		Database Mod Proiect: Build	Database Modeling and Database Systems Proiect: Build a Data Mart in SOL			Certificate Course Italian Foreign Language Italian	
Business Intelligence			Business Intelliger	Business Intelligence			Foreign Language French	
Business Intelligence Project: Business Int	e elligence		Business Intell Project: Busine	Business Intelligence Project: Business Intelligence			Certificate Course French Foreign Language French	
Data Analyst	0		Data Analyst	Data Analyst			Foreign Language Spanish	
Advanced Data Analysis Project: Data Analysis			Advanced Dat Project: Data	a Analysis Analysis		Certificate Course Spanish Foreign Language Spanish		
Augmented, Mixed and N	Virtual Reality		Augmented, Mixea	Augmented, Mixed and Virtual Reality			Foreign Language German	
Augmented, Mixed and Virtual Reality			Augmented, N X-Reality Proje	Augmented, Mixed and Virtual Reality X-Reality Project			Certificate Course German Foreign Language German	
			International Mark	keting and Branding		Studium Generale		
Elective B*	and Branding		International I	Marketing Brand Management		Internship		
International Marke	eting		international B					
International Branc	I Management							
Applied Sales I								
Applied Sales II	ent							
Supply Chain Mana	gement l		* Electives: Choo A. one module fr	se one module with tw om the Elective B and	o courses from the Elective one module from the			
Supply Chain Mana	gement II		Elective C. Every	elective module can or	nly be chosen once.	¹ Alternatively, ye	ou can choose the course "Project: Edge AI".	
IT Project Managem	nent		Note: The Electiv	ves are only offered in o	distance learning (online)			
11 Architecture Man	agement							



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Psychology of Human Computer Interaction Experience Psychology Human Computer Interaction

Course Information				
Module	Course Code	le Course		Type of Exam
Artificial Intelligence	DLBDSEAIS01	Artificial Intelligence	5	Exam
Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	Basic Workbook
Mathematics: Analysis	DLBDSMFC01	Mathematics: Analysis	5	Exam
Introduction to Programming with Python	DLBDSIPWP01	Introduction to Programming with Python	5	Exam
Collaborative Work	DLBCSCW01	Collaborative Work	5	Oral Assignment
Statistics - Probability and Descriptive Statistics	DLBDSSPDS01	Statistics - Probability and Descriptive Statistics	5	Exam
Object Oriented and Functional Programming with Python	DLBDSOOFPP01	Object Oriented and Functional Programming with Python	5	Portfolio
Mathematics: Linear Algebra	DLBDSMFLA01	Mathematics: Linear Algebra	5	Exam
Statistics - Inferential Statistics	DLBDSSIS01	Statistics - Inferential Statistics	5	Exam
Cloud Programming	DLBSEPCP01_E	Cloud Programming	5	Portfolio
Machine Learning - Supervised Learning	DLBDSMLSL01	Machine Learning - Supervised Learning	5	Exam
Machine Learning - Unsupervised Learning and Feature Engineering	DLBDSMLUSL01	Machine Learning - Unsupervised Learning and Feature Engineering	5	Case Study
Cloud Computing	DLBDSCC01	Cloud Computing	5	Exam
Neural Nets and Deep Learning	DLBDSNNDL01	Neural Nets and Deep Learning	5	Oral Assignment
Data Science Software Engineering	DLBDSDSSE01	Data Science Software Engineering	5	Exam
Introduction to Computer Vision	DLBAIICV01	Introduction to Computer Vision	5	Exam
Project: Computer Vision	DLBAIPCV01	Project: Computer Vision	5	Project Report
Introduction to Reinforcement Learning	DLBAIIRL01	Introduction to Reinforcement Learning	5	Exam
Introduction to NLP	DLBAIINLP01	Introduction to NLP	5	Exam
Project: NLP	DLBAIPNLP01	Project: NLP	5	Project Report
Agile Project Management	DLBCSAPM01	Agile Project Management	5	Project Report
Introduction to Data Protection and Cyber Security	DLBCSIDPITS01	Introduction to Data Protection and Cyber Security	5	Exam
User Experience	DLBMIUEX01_E	User Experience	5	Exam
UX-Project ¹	DLBMIUEX02_E	UX-Project	5	Project Report
Project: Edge Al ¹	DLBAIPEAI01	Project: Edge AI	5	Project Report
Introduction to Robotics	DLBROIR01_E	Introduction to Robotics	5	Exam/Written Assignment
Intercultural and Ethical Decision-Making	DLBCSIDM01	Intercultural and Ethical Decision-Making	5	Case Study
Seminar: Ethical Considerations in Data Science	DLBDSSECDS01	Seminar: Ethical Considerations in Data Science	5	Research Essay
Project: From Model to Production	DLBDSMTP01	Project: From Model to Production	5	Oral Project Report
ELECTIVE A*		e.g. Autonomous Driving	10	
ELECTIVE B*		e.g. Psychology of Human Computer Interaction	10	
ELECTIVE C*		e.g. Production Engineering, Automation and Robotics	10	
Bachelor Thesis		Bachelor Thesis	9	Bachelor Thesis
		Thesis Defense	1	Presentation: Colloquium